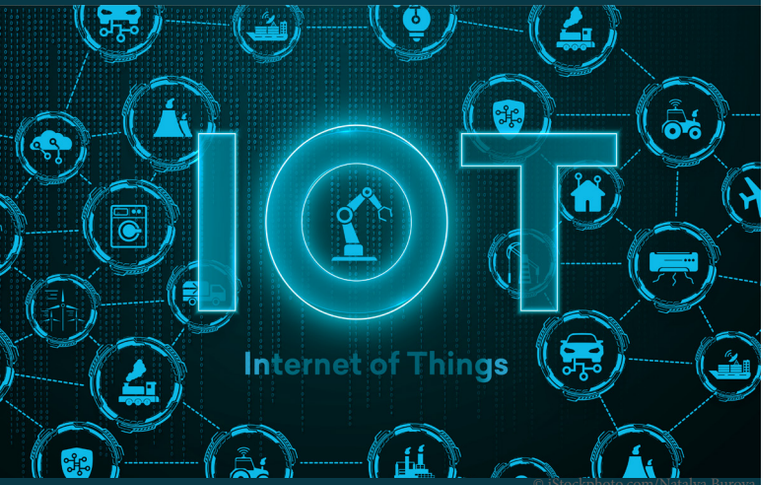
With the amount of connected IoT devices growing 18% to 14.4 billion globally (2022 IoT analytics by beechamresearch.com), the ability to provide location is important not only for IoT end applications, but also to support network self-management.



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With the number of connected devices growing globally, the ability to provide location in RTLS and IoT becomes a big demand.

Distance and Angle relationship between wireless nodes is required to determine their relative position to each other.

Metirionic helps the Internet of Things industry to localise specific sensor data accurately indoors and outdoors at the highest safety standards– especially in complex buildings and environments.

Metirionic engineering team works to fulfil particular IoT/RTLS needs for several components of the FW stack, from specification, development and testing to product launch.

About Metirionic

Established in 2013 in Dresden/Germany. With more than 15 wireless experts and more than 20 Man-years of experience we have gained expert know-how in RADAR technology and into the IoT value chain. Our patented technology offers the best and most reliable positioning information of radio nodes and we believe in the growing importance of this information to make our world of things smarter and safer.

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metirionic
WIRELESS DISTANCE MEASUREMENT

Flyer_Online_MARS
MKC230222

BLUETOOTH® MARS 2.0

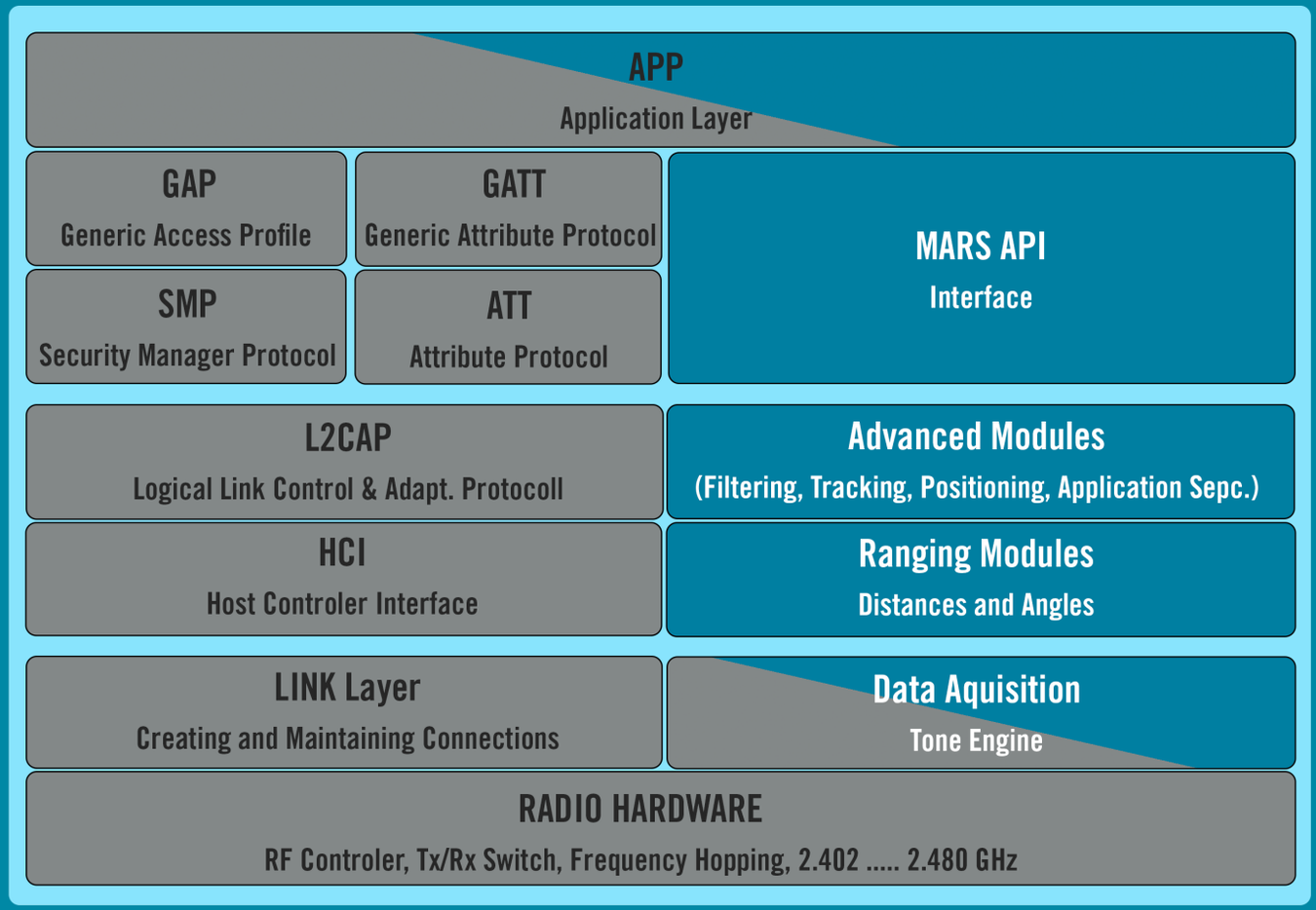
Metirionic **A**dvanced **R**anging **S**tack
integrated in Bluetooth® and BLE

WE KNOW THE DISTANCE !

metirionic
WIRELESS DISTANCE MEASUREMENT

Metirionic Advanced Ranging Stack (MARS 2.0) allows superior wireless measuring of distance and angles in Bluetooth®. MARS Ranging Modules target different applications based on point-to-point, point-to-multipoint and radar techniques.

Bluetooth® standard integration - ensure compliance **Channel Sounding** approach - faster speed - maximum range - resilient against harsh environments - best accuracy



- Standard Bluetooth® Data acquisition layer compliant with any BLE CS interface.
- Proprietary implementation data acquisition layer also available.
- Seamless integration into Bluetooth® communication stacks.
- Most reliable ranging stack. Ensure accuracy and robustness for critical applications (Find & Rescue, Industrial Manufacturing and Safety).

READY FOR BLUETOOTH® CHANNEL SOUNDING

ENSURE COMPLIANCE

CHIPSET AGNOSTIC